

11603

Dryden

Diag. Cht. No. 6450-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric)

Field No. Ph-5905 Office No. T-11603

LOCALITY

State Washington
Whidbey Island
General locality Puget Sound
Locality Coupeville

19 60 ✓

CHIEF OF PARTY

Lorne G. Taylor and Fred Natella

LIBRARY & ARCHIVES

DATE September 1964

USCOMM-DC 5087

11603

DESCRIPTIVE REPORT - DATA RECORD

T - 11603

Project No. (II): **Ph-5905**

Quadrangle Name (IV):

Field Office (II): **Mt. Vernon, Washington**

Chief of Party: **Lorne G. Taylor**

Photogrammetric Office (III): **Portland, Oregon**

Sub Unit: **John C. Lajoie & Wesley V. Hui**

Officer-in-Charge: **Lorne G. Taylor**

Instructions dated (II) (III): **10 Feb. 1960 II**

& Fred Natella

Supplement 1,

5 May 1960 II & III

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): **Kelsh Stereoscopic Instrument**

Manuscript Scale (III): **1:10,000**

Stereoscopic Plotting Instrument Scale (III): **1:6000**

Scale Factor (III): **None**

Kelsh Pantograph Scale: 1:10,000

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N.A. 1927**

Vertical Datum (III): **X**

Mean sea level except as follows:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

Reference Station (III): **WATSAK 2, 1953**

Lat.: **48° 13' 20.303"**

Long.: **122° 37' 39.816"**

Adjusted **X**
Unadjusted

Plane Coordinates (IV):

State: **Washington**

Zone: **North**

Y= **450,961.36**

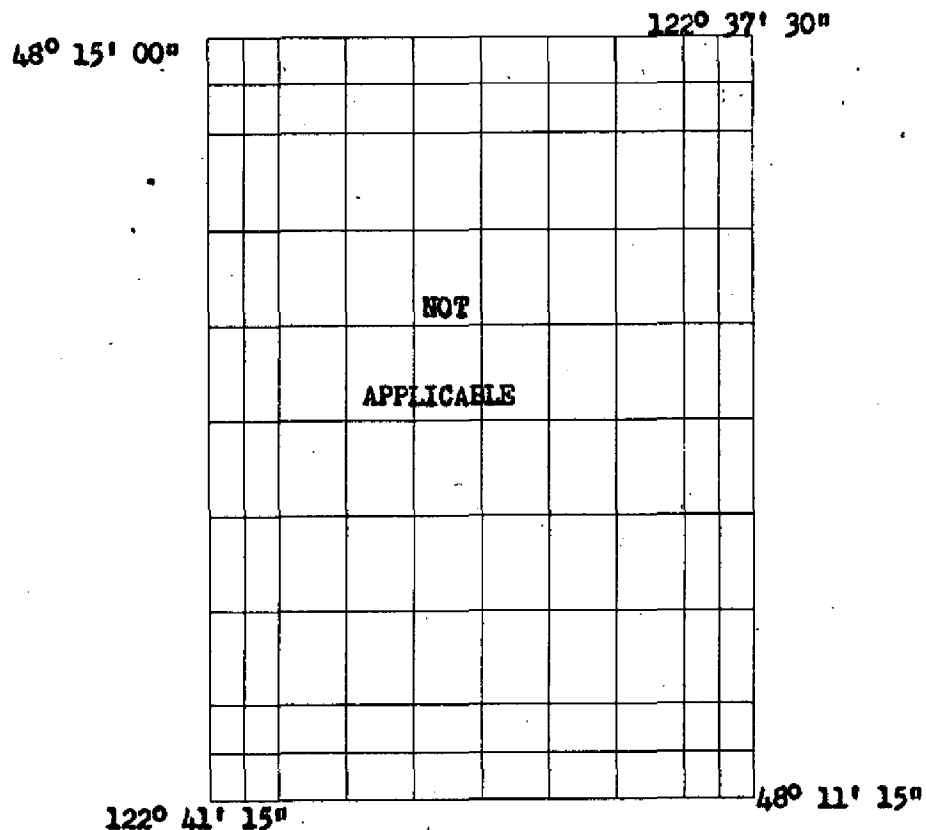
X= **1,562,613.78**

Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

DESCRIPTIVE REPORT - DATA RECORD

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY



Areas contoured by various personnel
(Show name within area)
(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **Wesley V. Hull** Date: **6-2 & 6-7-60**
Shoreline and Interior

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): **6-2-60 & 6-7-60 by field**
inspection and Kelsh Instrument Compilation.

Projection and Grids ruled by (IV): **W. S.** Date: **5-19-60**

Projection and Grids checked by (IV): **Dampsey** Date: **5-21-60**

Control plotted by (III): **W. D. Jarman, D. N. Williams** Date:
& J. E. Deal **June 1960**

Control checked by (III): **D. N. Williams** Date:
& J. E. Deal **June 1960**

Radial Plot or Stereoscopic Control extension by (III): Date:

Stereoscopic Instrument compilation (III): Planimetry **D. N. Williams** Date:
L. L. Graves **9-20-60**
Contours Date:

Manuscript delineated by (III): **L. L. Graves, Scribing** Date: **11-8-60**
C. C. Harris, Stick-up **1-23-61**

Photogrammetric Office Review by (III): **C. C. Harris, Rough Draft** Date: **XX 10-24-60**
J. E. Deal, Advance **2-3-61**

Elevations on Manuscript checked by (II) (III): Date:

DESCRIPTIVE REPORT - DATA RECORD

5. U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Camera (kind or source) (III): **U.S.C. & G.S. - Single Lens "S"**

Number	Date	Time	Scale	Stage of Tide
60-S-2632	4-26-60	10:12	1:30,000	0.2' above M.L.L.W.
60-S-2723	"	11:26	"	0.2' below M.L.L.W.
60-S-2743	"	11:53	"	0.1' below M.L.L.W.
thru 2745	"			

Tide (III)

Reference Station: **Seattle, Washington**
Subordinate Station: **Coupeville, Penn Cove, Washington**
Subordinate Station:

Diurnal		
Ratio of Ranges	Mean Range	Spring Range
	7.6	11.3
	7.8	11.5

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): **8**
Shoreline (More than 200 meters to opposite shore) (III): **5**
Shoreline (Less than 200 meters to opposite shore) (III): **None**
Control Leveling - Miles (II):
Number of Triangulation Stations searched for (II): **15**
Number of BMs searched for (II): **3 TBM**
Number of Recoverable Photo Stations established (III): **1**
Number of Temporary Photo Hydro Stations established (III): **8**

Recovered: **11** Identified: **4**
Recovered: **3 TBM** Identified: **3 TBM**

Remarks:

FIELD INSPECTION REPORT

Map Manuscript T- 11603

Project Ph-5905

Refer to the Field Inspection Report for the entire Project
Ph-5905 by Wesley V. Hull, February 1960 to September 1960.

Filed with Desc. Report T 11584

PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-11603

Project Ph-5905

Refer to the combined Photogrammetric Plot Report (Stereoplanigraph Bridge) for Strips 1, 3, 4, 5, 6, 7, 8, 9, 10 and 11 by Willard A. Kuncis, July 1960.

Filed with Desc. Report T-11584

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T-11603

PROJECT NO. Ph-5905

SCALE OF MAP 1:10,000

SCALE FACTOR None

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
COUPEVILLE	Wash.N. Pg.292	N.A. 1927	448,746.05	3746.05	(1253.95)		1141.8	(382.2)	
WATER TANK, 1944			1,548,961.80	3961.80	(1038.20)		1207.6	(316.4)	
BLOWER (USE)	"	"	458,941.25	3941.25	(1058.75)		1201.3	(322.7)	
1920	Pg.273 Wash. Office Comp.	"	1,554,749.26	4749.26	(250.74)		1447.6	(76.4)	
Sub Station		"	459,250.4	4250.4	(749.6)		1295.5	(228.5)	
			1,554,855.7	4855.7	(144.3)		1480.0	(44.0)	
LOVEJOY (USE)	Wash.N. Pg.291	"	451,866.38	1866.38	(3133.62)		568.9	(955.1)	
1920			1,552,288.17	2288.17	(2711.83)		697.4	(826.6)	
SNAKELUM (USE)	"	"	450,468.95	468.95	(4531.05)		142.9	(1381.1)	
1920	Pg.291	"	1,563,092.49	3092.49	(1907.51)		942.6	(581.4)	
WATSAK 2	"	"	450,961.36	961.36	(4038.64)		293.0	(1231.0)	
1953	Pg.273	"	1,562,613.78	2613.78	(2386.22)		796.7	(727.3)	
54 f-50 (USPW)	Portland Office Comp.	"	441,225.5	1225.5	(3774.5)		373.5	(1150.5)	
1954			1,560,527.4	527.4	(4472.6)		160.8	(1363.2)	
COUPEVILLE	Wash.N. Pg.273	"	441,485.64	1485.64	(3514.36)		452.8	(1071.2)	
1954			1,560,379.35	379.35	(4620.65)		115.6	(1408.4)	
Sub Station "A"	Wash. Office Comp.	"	441,217.0	1217.0	(3783.0)		370.9	(1153.1)	
			1,560,638.7	638.7	(4361.3)		194.7	(1329.3)	
Sub Station "B"	"	"	441,140.8	1140.8	(3859.2)		347.7	(1176.3)	
			1,560,454.7	454.7	(4545.3)		138.6	(1385.4)	
WATER (USN)	"	"	439,299.13	4299.13	(790.87)		1310.4	(213.6)	
1954	Pg.273	"	1,560,314.97	314.97	(4685.03)		96.0	(1428.0)	
PENNINGTON (USE)	"	"	448,749.25	3749.25	(1250.75)		1142.8	(381.2)	
1920	Pg.273	"	1,551,059.07	1059.07	(3940.93)		322.8	(1201.2)	

1 FT. = 3048006 METER

COMPUTED BY J.E.H. & J.E.D.

DATE 6-13-60 & 6-21-60

CHECKED BY J.E.D. & J.I.H.

DATE

6-14-60 & 6-21-60

COMM-DC-57843

MAP T. 11603

PROJECT NO. Ph-5905

SCALE OF MAP 1:10,000

SCALE FACTOR...None..

[illegible]

1 FT. = .3048006 METER

J. L. H.

DATE:

6-21-60

CHECKED BY:

J. E. D.

DATE:

6-27-60

COMM-0C-57843

COMPILATION REPORT

Map Manuscript T-11603

Project Ph-5905

Items 31 and 32:

Refer to Compilation Report for T-11597 (1960).

33. Supplemental Data:

Map of Island County, Washington, Scale 1 inch = 1 mile,
compiled by Island County Engineer, March 1958.

Items 34 thru 36:

Refer to Compilation Report for T-11597 (1960).

37. Landmarks and Aids:

There are no aids to navigation. Two landmarks were recommended by the field unit. One was located by photogrammetric methods and the other is a triangulation station. Form 567 is submitted.

38. Control for Future Surveys:

The landmark and eight photo-hydro stations located by Kelsh Instrument are listed under Item 49, Notes to the Hydrographer.

39. Junctions:

Satisfactory junctions were made with T-11595 on the north, T-11602 on the west, T-11604 on the east and T-11612 on the south.

40. Horizontal and Vertical Accuracy:

Refer to Descriptive Report for T-11597 (1960).

46. Comparison with Existing Maps:

Comparison was made with U.S.G.S. 7½ minute Coupeville, Washington quadrangle, Scale 1:24,000, Edition of 1953.

47. Comparison with Nautical Charts:

Comparison was made with Nautical Chart No. 6450, Scale 1:80,000, 11th Edition, corrected 7-27-59.

Items to be Applied to Nautical Charts Immediately.

None.

Items to be Carried Forward.

None.

Approved:

Respectfully submitted:

Fred Natella
CAPT, C&GS
Portland District Officer

J. Edward Deal
Cartographer
C&GS

49. Notes to the Hydrographer:

Form 567, ^{was submitted} showing the scaled position of a landmark located by Kelsh Instrument

TOWER, MICROWAVE, Coupeville, 1960

Eight photo-hydro stations were located by Kelsh Instrument

<u>Number</u>	<u>Description</u>	<u>Field Photo.No.</u>
0301	Top of hip roof	60 S 2743
0302	End of row of piling	60 s 2743
0303	Whitewashed rock	60 S 2743
0304	Center of offshore end of boathouse	60 S 2743
0305	Chimney on brown roofed house	60 S 2744
0306	East gable of southerly of two small boathouses	60 S 2744
0307	East gable of building on pier	60 S 2724
0308	West gable of building on pier	60 S 2724

PHOTOGRAMMETRIC OFFICE REVIEW

T- 11603

1. Projection and grids X 2. Title X 3. Manuscript numbers X 4. Manuscript size X

CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy X 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) X 7. Photo hydro stations X 8. Bench marks X
9. Plotting of sextant fixes None 10. Photogrammetric plot report X 11. Detail points X

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline X 13. Low-water line X 14. Rocks, shoals, etc. X 15. Bridges None 16. Aids to navigation None 17. Landmarks X 18. Other alongshore physical features X 19. Other along-shore cultural features X

PHYSICAL FEATURES

20. Water features X 21. Natural ground cover X 22. Planetable contours None 23. Stereoscopic Instrument contours None 24. Contours in general None 25. Spot elevations None 26. Other physical features X

CULTURAL FEATURES

27. Roads X 28. Buildings X 29. Railroads None 30. Other cultural features X

BOUNDARIES

31. Boundary lines None 32. Public land lines None

MISCELLANEOUS

33. Geographic names X 34. Junctions X 35. Legibility of the manuscript X 36. Discrepancy overlay None 37. Descriptive Report X 38. Field inspection photographs X 39. Forms X
40. J. Edward Deal

Reviewer

Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:

48. Geographic Names:

Blowers Bluff

Coupeville

Ebeys Prairie

Long Point

Lovejoy Point

Penn Cove

Penn Cove Park

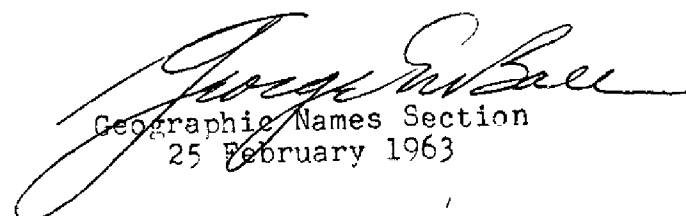
Frairie Center

Rodena Beach

Saratoga Passage

Snatelum Point

Whidbey Island


Geographic Names Section
25 February 1963

Review Report
Shoreline Surveys
T-11601 through T-11610
March 1964

61. General Statement

These are ten (10) shoreline maps of Project PH 5905, Puget Sound, Washington. These maps were prepared primarily to provide basic maps, including the location of all non-floating aids and landmarks for use in revising our nautical charts and for control of proposed hydrographic surveys.

62. Comparison with Registered Topographic Surveys

T-1254	1:10,000	1871
T-1755	1:20,000	1886
T-1994	1:20,000	1888
T-2011	1:20,000	1888
T-1253	1:10,000	1871
T-6767	1:10,000	1940
T-6768	1:10,000	1940

There are cultural and shoreline changes due to the difference in time interval. The shoreline has eroded approximately 30 to 40 meters in some areas. T-11601 through T-11610 are to supersede the above listed surveys of common areas for nautical charting.

63. Comparison with Maps of Other Agencies

Port Townsend North	1:24,000	1953
Coupeville	1:24,000	1953
Camano	1:24,000	1953
Juniper Beach	1:24,000	1956
Stanwood	1:24,000	1956
Arlington West	1:24,000	1956

There are small cultural and shoreline differences but in general the agreement is good.

64. Comparison with Contemporary Hydrographic Surveys

H-8542	1:10,000	1960
H-8543	1:10,000	1960
H-8544	1:10,000	1960

Shoreline and control of the subject surveys was furnished prior to the hydrographic surveys and apparently no difference exist.

65. Comparison with Nautical Charts

6450	1:80,000	1961 revised to 1963
184 50	1:80,000	1963
S.C.		

There are only minor differences between the charts and the manuscript.

66. Accuracy of Results and Future Surveys

These surveys were constructed according to project instructions and are within the requirements for adequacy and accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles G. Lauer
Chief, Photogrammetric Branch

Chief, Nautical Chart Division

M. E. Mathe
Chief, Photogrammetry Division
Acting

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-11603

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review

CHART	DATE	CARTOGRAPHER	REMARKS
6404 (18428)	12/9/64	A.J.L.	Full Part Before After Verification Review Inspection Signed Via Drawing No.
6300 (18428)	8-19-65	G.R. Johnson	Full Part Before After Verification Review Inspection Signed Via Drawing No.
18428	2/19/80	S.M. Hill	Full Part Before After Verification Review Inspection Signed Via Drawing No. 14
18441	3/27/80	R.D. Lillia 5-29-80 RAS	Full Part Before After Verification Review Inspection Signed Via Drawing No. 49
18423	1/19/81	D.C. Larson 3-16-81(A)(E) MB	Full Part Before After Verification Review Inspection Signed Via Drawing No. 21
18440	3/12/81	D.C. Larson 3-16-81 MB	Full Part Before After Verification Review Inspection Signed Via Drawing No. 33
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.